

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	10/021,416
---------------------------	-------------------

Filing Date	11/5/01
--------------------	---------

First Named Inventor	Russell Phillips
----------------------	------------------

Art Unit	1645
----------	------

Examiner Name	Not assigned
----------------------	---------------------

Attorney Docket Number R-236

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

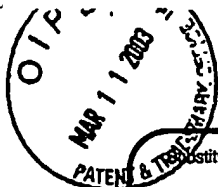
Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ See Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Unsaved Document



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

PTO/SB/088 (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **2** of **2**

Complete if Known

Applicati n Number	10/021,416
Filing Date	11/5/01
First Named Inventor	Russell Phillips
Art Unit	1645
Examiner Name	Not assigned
Attorney Docket No.	R-236

RECEIVED
MAR 17 2003
TECH CENTER 1600/2900

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
VB	AC	ALBERTS et al., "GENE TARGETING MAKES IT POSSIBLE TO PRODUCE TRANSGENIC MICE THAT ARE MISSING SPECIFIC GENES" Molecular Biology of the Cell, 1994, pp. 329	
VB	AD	T. KIRK et al., "SITE-DIRECTED MUTAGENESIS BY GENE TARGETING IN MOUSE EMBRYO-DERIVED STEM CELLS" Cell, Vol. 51, November 6, 1987, pp. 503-512	
VB	AE	M. COHEN-TANNOUDJI et al. "BEYOND KNOCK-OUT MICE: NEW PERSPECTIVES FOR THE PROGRAMMED MODIFICATION OF THE MAMMALIAN GENOME" Molecular Human Reproduction, Vol. 4, No. 10, October 1998, pp. 929-938	
VB	AF	M. CAPECCHI, "ALTERING THE GENOME BY HOMOLOGOUS RECOMBINATION" Science, Vol. 244, No. 4910, June 16, 1989, pp. 1288-1292	
VB	AG	A. BRADLEY, "MODIFYING THE MAMMALIAN GENOME BY GENE TARGETING" Current Opinion in Biotechnology, Vol. 2, 1991, pp. 823-829	
VB	AH	T. GRIDLEY, "INSERTIONAL VERSUS TARGETED MUTAGENESIS IN MICE" The New Biologist, Vol. 3, No. 11, November 1991, pp. 1025-1034	

Examiner
Signature

Date
Considered

12.23.01

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES R COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Unsaved Document

MIL 29 2002

Complete If Known

Application Number	10/021,416
Filing Date	November 5, 2001
First Named Inventor	Phillips et al.
Art Unit	1645
Examiner Name	Unassigned
Attorney Docket No.	R-236

Sheet 1 of 1

[illegible]

~~COPY OF PAPERS~~
~~ORIGINALLY FILED~~

**Examiner
Signature**

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Unsaved Document